

O I P E
FEB 06 2001

DECLARATION AND POWER OF ATTORNEY

I, CHRISTOPHER L. AARDAHL, declare that I am a citizen of the United States of America, residing at Richland, Washington, and that I believe I am one of the original, first, and joint inventors together with MARI LOU (NMI) BALMER-MILLER, ASHOK (NMI) CHANDA, CRAIG F. HABEGER, KENT A. KOSHKARIAN AND PAUL W. PARK of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND SYSTEM FOR THE COMBINATION OF NON-THERMAL PLASMA AND METAL/METAL OXIDE DOPED Y-ALUMINA CATALYSTS FOR DIESEL ENGINE EXHAUST AFTERTREATMENT SYSTEM

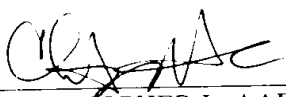
the specification of which was filed in the United States Patent and Trademark Office on November 8, 2000, as Application No. 09/708,863.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to be material to patentability as defined in §1.56. I further declare that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns.

I hereby appoint John W. Morrison, Patent Office Reg. No. 44,245, telephone (309) 494-1815, Joseph W. Keen, Patent Office Reg. No. 28,432, telephone (309) 675-5753, Robert J. Hampsch, Patent Office Reg. No. 36,155, telephone (309) 675-5214, and R. Carl Wilbur, Patent Office Reg. No. 36,056, telephone (309) 675-5847, and Randall L. Shoemaker, Patent Office Reg. No. 43,118, telephone (248) 723-0425, my attorneys and/or agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected with this application. Please address all correspondence to: John W. Morrison, Caterpillar Inc., Intellectual Property Department, AB6490, 100 N.E. Adams Street, Peoria, Illinois 61629-6490.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


CHRISTOPHER L. AARDAHL
Post Office Address:
2756 Willowbrook Avenue
Richland, Washington 99352

12/12/2000
Date

01 FEB 06 2001

DECLARATION AND POWER OF ATTORNEY

A.M.W. 12-15-00
I, MARI LOU (NMI) BALMER-MILLER, declare that I am a citizen of the United States of America, residing at West Richland, Washington, and that I believe I am one of the original, first, and joint inventors together with CHRISTOPHER L. AARDAHL, ASHOK (NMI) CHANDA, CRAIG F. HABEGER, KENT A. KOSHKARIAN AND PAUL W. PARK of the subject matter which is claimed and for which a patent is sought on the invention entitled

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Mari Lou Balmer-Miller
MARI LOU (NMI) BALMER-MILLER

12-15-00
Date

Post Office Address:

89510 North Harrington Road
West Richland, Washington 99353



DECLARATION AND POWER OF ATTORNEY

I, ASHOK (NMI) CHANDA, declare that I am a citizen of the United States of America, residing at Peoria, Illinois, and that I believe I am one of the original, first, and joint inventors together with CHRISTOPHER L. AARDAHL, MARI LOU (NMI) BALMER-MILLER, CRAIG F. HABEGER, KENT A. KOSHKARIAN AND PAUL W. PARK of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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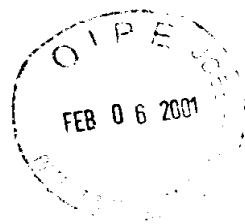
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 12/12/00

ASHOK (NMI) CHANDA Date

Post Office Address:
5825 N. Orchard Drive
Peoria, Illinois 51614-3801



DECLARATION AND POWER OF ATTORNEY

I, CRAIG F. HABEGER, declare that I am a citizen of the United States of America, residing at West Richland, Washington, and that I believe I am one of the original, first, and joint inventors together with CHRISTOPHER L. AARDAHL, MARI LOU (NMI) BALMER-MILLER, ASHOK (NMI) CHANDA, KENT A. KOSHKARIAN AND PAUL W. PARK of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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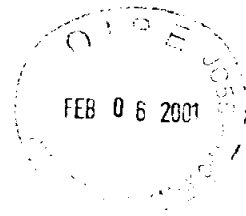
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CRAIG F. HABEGER
Date 12/2/00

Post Office Address:

2701 Briarwood Lane
West Richland, Washington 99353



DECLARATION AND POWER OF ATTORNEY

I, KENT A. KOSHKARIAN, declare that I am a citizen of the United States of America, residing at Peoria, Illinois, and that I believe I am one of the original, first, and joint inventors together with CHRISTOPHER L. AARDAHL, MARI LOU (NMI) BALMER-MILLER, ASHOK (NMI) CHANDA, CRAIG F. HABEGER AND PAUL W. PARK of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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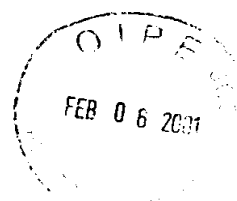
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KENT A. KOSHKARIAN

12/18/00
Date

Post Office Address:

6021 N. Imperial Drive
Apt. 234
Peoria, Illinois 61614-3965



DECLARATION AND POWER OF ATTORNEY

I, PAUL W. PARK, declare that I am a citizen of the United States of America, residing at Peoria, Illinois, and that I believe I am one of the original, first, and joint inventors together with CHRISTOPHER L. AARDAHL, MARI LOU (NMI) BALMER-MILLER, ASHOK (NMI) CHANDA, CRAIG F. HABEGER AND KENT A. KOSHKARIAN of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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Paul W. Park 12-12-02
PAUL W. PARK Date

Post Office Address:
3207 W. Wilshire Drive
Peoria, Illinois 61614-2345